ANALYSIS CONSTRUCTION SYSTEM GENERAL CARGO’S SHIP ON CARGO ROOM CONVERTED BECOME LIVESTOCK VESSEL

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Abstract

In Papua island its outgrows market for beef cattle, that will giving opportunity to provide ship transportation which can take livestock from south Kalimantan to Papua. The owner ships have a ship with type general cargo. He wants to have livestock vessel, and then have an idea to make conversion with his ship. General cargo’s ship usually takes woods and bales but now that ship will take livestock beef cattle as much 324 breeds with route Banjarmasin to Jayapura 1199 mile about 4 days.

In this final project will explain about conversion general cargo ship becomes livestock vessel. The conversion start from how to arrange and sets cargo room with pen for cattle. Then we calculate provisions needs, drink needs (fresh water) and capacity of fresh water tank for cattle. In cargo room design fully equipped with provisions storage and collecting place for feces and dirt cattle, that to makings manures. And calculating about construction system in Cargo room to ship standardize

This final project also explain and calculate about 2 systems that will be used on cargo room space namely sanitary system and ventilation. Both of that system is designed to keep clean paddock and to fulfill air requirement for cattle during sail. Design in cargo room fully equipped with sewer and ducting. All of design drawn by Auto Cad.

Key word: livestock vessel, conversion, Auto Cad.